# Содержание

# General description

Our filtering solution helps the operator to save on development and support of a solution of his own. It has several advantages over a proxy server. Additionally, the operator gets the platform that enables him to save resources and get an income by providing new value added services.

Required components:

1. Deep Traffic Analysis Platform (DPI)

Advantages:

**1) Easy to use:**

- all rules are applied at one place: on DPI platform;
- the platform loads and applies rules from lists by itself.

**2) Productivity:**

- the list includes up to 4 billion URL records. Its representation in memory is compressed;
- up to 65000 web-lists;
- traffic capacity up to 400 Gbpds per one CPU;
- unlimited scaling by simple installation of additional servers;
- propagation delay is less than 30 µs.

**3) Functionality:**

- HTTP/HTTPS/QUIC protocols are supported for web filtering;
- URL for HTTP, SNI/CN for HTTPS/QUIC protocols;
- HTTP and HTTPS/QUIC traffic regardless of the service port being used;
- filtering for HTTP proxy is supported (including Opera Turbo/Mini);
- the software can consider or ignore the port number (i.e. block http://www.example.com and http://www.example.com:8080 together or separately);
- does not depend on IP address changes;
- redirection instead of blocking is supported for HTTP;
- incapsulation of VLAN, QinQ, MPLS is supported;
- support of asymmetric traffic routes, including processing of outbound traffic only;
- support of mirrored traffic;
- provides many other useful capabilities, unlike dedicated filtering solutions.

**4) "Four nine's" reliability:**

- works 24×7 with no breaks and service delays;
- uptime of the systems already installed is many months;
- the Bypass mode is supported to calm the operator.

**5) Cost saving:**

- DPI runs on a general purpose computer;
- support costs are almost zero - everything is automated;
- no need to waste money and time to develop and support own solution;
- a proxy hardware would cost much more to achieve the similar traffic capacity.